



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 4

Test Date: March 2009
Code: 12251589
SAU: MSAD 31
School: Enfield Station Elementary Sch

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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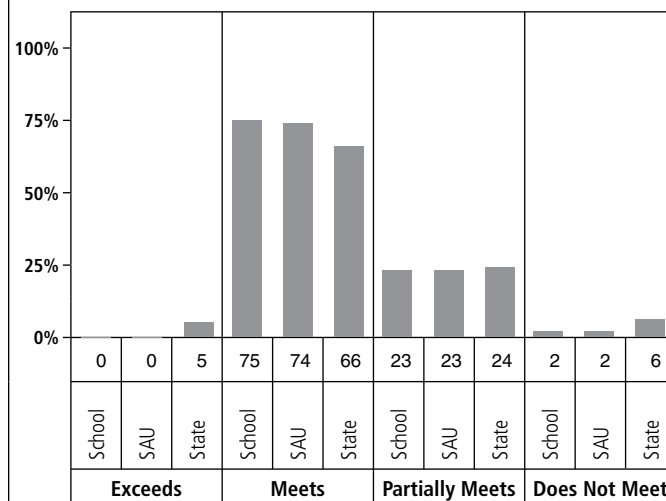
SUMMARY OF SCORES

Test Date: March 2009
Grade: 4
SAU: MSAD 31
School: Enfield Station Elementary Sch

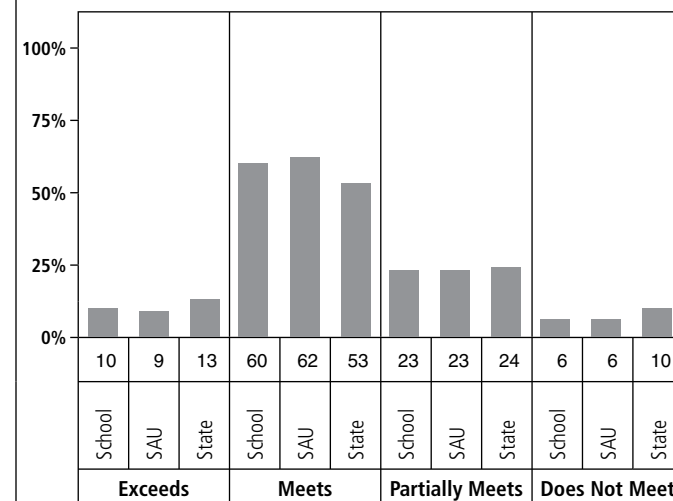
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	446	446	445
2007–2008	445	445	445
2008–2009	446	446	446
Cum. Avg.*	446	446	445
Mathematics			
2006–2007	445	444	445
2007–2008	444	444	445
2008–2009	447	446	446
Cum. Avg.*	445	445	445

ELA – READING



MATHEMATICS



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 4
SAU: MSAD 31
School: Enfield Station Elementary Sch

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
							ELA-Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	49	100	48	100	13805	100	49	100	48	100	13737	100	49	100	48	100	13746	100						
Ethnicity African American/Black	1	2	1	2	419	3	1	100	1	100	410	98	1	100	1	100	416	99						
American Indian or Native Alaskan	1	2	1	2	125	1	1	100	1	100	124	99	1	100	1	100	124	99						
Asian or Pacific Islander	0	0	0	0	229	2	0	0	0	0	223	97	0	0	0	0	227	99						
Hispanic	0	0	0	0	149	1	0	0	0	0	148	99	0	0	0	0	148	99						
Caucasian/White	47	96	46	96	12883	93	47	100	46	100	12832	100	47	100	46	100	12831	100						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	6	12	6	13	2383	17	6	100	6	100	2366	100	6	100	6	100	2364	99						
Current LEP	0	0	0	0	377	3	0	0	0	0	362	96	0	0	0	0	373	99						
Economically disadvantaged	31	63	31	65	5819	42	31	100	31	100	5782	99	31	100	31	100	5788	100						
Migrant	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100						

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	33	67	32	67	10439	76	33	67	32	67	10471	76						
Identified disability (PET/IEP)	0	0	0	0	351	3	0	0	0	0	367	4						
LEP	0	0	0	0	171	2	0	0	0	0	172	2						
504 plan	0	0	0	0	92	1	0	0	0	0	90	1						
Participation with accommodations	15	31	15	31	3142	23	15	31	15	31	3138	23						
Identified disability (PET/IEP)	5	33	5	33	1860	59	5	33	5	33	1860	59						
LEP	0	0	0	0	186	6	0	0	0	0	198	6						
504 plan	3	20	3	20	71	2	3	20	3	20	73	2						
Other	7	47	7	47	1060	34	7	47	7	47	1043	33						
Participation through alternate assessment (PAAP)	1	2	1	2	155	1	1	2	1	2	137	1						
Identified disability (PET/IEP)	1	100	1	100	155	100	1	100	1	100	137	100						
LEP	0	0	0	0	4	3	0	0	0	0	3	2						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	1	0												
Approved non-participation – special consideration	0	0	0	0	11	0	0	0	0	0	11	0						
Non-participation – other	0	0	0	0	57	0	0	0	0	0	48	0						

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 4
SAU: MSAD 31
School: Enfield Station Elementary Sch

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 462–480)	2006-2007	1	2	1	2	507	4
	2007-2008	0	0	0	0	559	4
	2008-2009	0	0	0	0	672	5
	Cum. Total*	1	1	1	1	1738	4
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 442–460)	2006-2007	31	69	29	69	8749	63
	2007-2008	28	61	28	62	8308	59
	2008-2009	36	75	35	74	8917	66
	Cum. Total*	95	68	92	69	25974	63
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 432–440)	2006-2007	9	20	8	19	3467	25
	2007-2008	16	35	15	33	3922	28
	2008-2009	11	23	11	23	3241	24
	Cum. Total*	36	26	34	25	10630	26
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 400–430)	2006-2007	4	9	4	10	1165	8
	2007-2008	2	4	2	4	1264	9
	2008-2009	1	2	1	2	751	6
	Cum. Total*	7	5	7	5	3180	8

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	48	100	31.8	66.3	31.7	66.0	31.6	65.8
A1/A2 Interconnected Elements/Literary Text	24	50	16.3	67.9	16.3	67.9	16.1	67.1
A1/A3 Interconnected Elements/Informational Text	24	50	15.4	64.2	15.4	64.2	15.5	64.6

The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 4
 SAU: MSAD 31
 School: Enfield Station Elementary Sch

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	48	0	0	36	75	11	23	1	2	446	47	0	74	23	2	446	13581	5	66	24	6	446
Ethnicity																						
African American/Black	1										1						408	2	51	31	16	441
American Indian or Native Alaskan	1										1						122	1	59	34	6	444
Asian or Pacific Islander	0										0						221	9	62	22	7	447
Hispanic	0										0						146	1	64	28	6	445
Caucasian/White	46	0	0	35	76	10	22	1	2	446	45	0	76	22	2	446	12684	5	66	24	5	446
Not Reported	0										0						0					
Identified disability																						
Yes	5	0	0	1	20	3	60	1	20	436	5	0	20	60	20	436	2211	1	39	42	18	439
No	43	0	0	35	81	8	19	0	0	447	42	0	81	19	0	447	11370	6	71	20	3	448
Current LEP																						
Yes	0										0						357	3	42	36	19	440
No	48	0	0	36	75	11	23	1	2	446	47	0	74	23	2	446	13224	5	66	24	5	446
Economically disadvantaged																						
Yes	30	0	0	21	70	8	27	1	3	445	30	0	70	27	3	445	5677	2	57	32	9	443
No	18	0	0	15	83	3	17	0	0	447	17	0	82	18	0	447	7904	7	72	18	3	448
Migrant																						
Yes	0										0						6	0	67	33	0	445
No	48	0	0	36	75	11	23	1	2	446	47	0	74	23	2	446	13575	5	66	24	6	446
Gender																						
Female	24	0	0	17	71	7	29	0	0	447	24	0	71	29	0	447	6580	7	68	21	5	448
Male	24	0	0	19	79	4	17	1	4	445	23	0	78	17	4	445	7001	3	64	27	6	445
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	18	0	0	11	61	7	39	0	0	443	18	0	61	39	0	443	2127	1	48	42	9	441
No	30	0	0	25	83	4	13	1	3	448	29	0	83	14	3	448	11454	6	69	20	5	447
Gifted/talented program																						
Yes	0										0						324	27	72	1	0	458
No	48	0	0	36	75	11	23	1	2	446	47	0	74	23	2	446	13257	4	65	24	6	446

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 4
SAU: MSAD 31
School: Enfield Station Elementary Sch

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N													
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	0 96 4 0										0 96 4 0						4 75 18 2	2 5 5 3	45 67 67 45	36 23 23 36	17 4 5 16	441 447 447 442
Which of the following best describes how you rate yourself as a student in reading? A. very good B. good C. fair D. poor	38 40 21 2	0 0 0 0	0 0 0 0	13 16 6 1	72 84 60 100	5 2 4 0	28 11 40 0	0 1 0 0	0 5 0 0	447 446 443 454	38 38 21 2	0 0 0 0	72 83 60 100	28 11 40 0	0 6 0 0	447 446 443 454	40 45 13 2	8 3 1 0	71 66 54 39	17 25 35 42	4 5 10 19	449 446 442 439
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading? A. The questions on the test match what I have learned in reading class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	33 54 10 2	0 0 0 0	0 0 0 0	12 23 1 0	75 88 20 0	4 3 3 1	25 12 60 100	0 0 1 0	0 0 20 0	446 447 441 438	34 53 11 2	0 0 0 0	75 88 20 0	25 12 60 100	0 0 20 0	446 447 441 438	31 53 11 4	8 4 2 1	69 68 54 39	19 23 35 40	4 4 10 20	448 447 442 439
How hard was the reading part of this test? A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	27 63 10	0 0 0	0 0 0	8 24 4	62 80 80	4 6 1	31 20 20	1 0 0	8 0 0	445 446 448	28 62 11	0 0 0	62 79 80	31 21 20	8 0 0	445 446 448	19 63 18	4 6 4	54 69 68	31 22 23	11 4 5	443 447 446
How hard were the reading passages on this test? A. Most of the passages were harder than what I normally read. B. Most of the passages were about the same as what I normally read. C. Most of the passages were easier than what I normally read.	15 60 26	0 0 0	0 0 0	4 21 10	57 75 83	3 6 2	43 21 17	0 1 0	0 4 0	443 445 449	15 59 26	0 0 0	57 74 83	43 22 17	0 4 0	443 445 449	13 52 35	0 4 9	39 69 72	43 24 16	17 4 3	439 446 449
How much time do you spend reading at home each day? A. more than one hour B. 20 minutes to an hour C. less than 20 minutes D. I rarely read at home.	25 35 15 25	0 0 0 0	0 0 0 0	11 12 4 9	92 71 57 75	1 5 2 3	8 29 29 25	0 0 1 0	0 0 14 0	449 446 441 446	23 36 15 26	0 0 0 0	91 71 57 75	9 29 29 25	0 0 14 0	449 446 441 446	21 55 13 11	8 5 2 1	68 70 57 51	19 21 33 37	5 4 8 11	448 447 443 442
How many pages do you read in school and to complete homework assignments? A. five or fewer pages B. six to ten pages C. eleven or more pages	43 23 34	0 0 0	0 0 0	12 10 13	60 91 81	7 1 3	35 9 19	1 0 0	5 0 0	444 448 447	43 22 35	0 0 0	60 90 81	35 10 19	5 0 0	444 448 447	25 24 51	3 4 7	59 64 70	30 26 20	8 6 4	444 445 448
Optional school/SAU question A. B. C. D.	0 0 0 0										0 0 0 0											

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 4
SAU: MSAD 31
School: Enfield Station Elementary Sch

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 462–480)	2006-2007	4	9	3	7	1054	8
	2007-2008	4	9	4	9	1321	9
	2008-2009	5	10	4	9	1712	13
	Cum. Total*	13	9	11	8	4087	10
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 442–460)	2006-2007	24	53	22	52	7394	53
	2007-2008	19	41	18	40	7079	51
	2008-2009	29	60	29	62	7270	53
	Cum. Total*	72	52	69	51	21743	52
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 430–440)	2006-2007	11	24	11	26	3729	27
	2007-2008	19	41	19	42	3955	28
	2008-2009	11	23	11	23	3219	24
	Cum. Total*	41	29	41	31	10903	26
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 400–428)	2006-2007	6	13	6	14	1735	12
	2007-2008	4	9	4	9	1642	12
	2008-2009	3	6	3	6	1408	10
	Cum. Total*	13	9	13	10	4785	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	48	100	31.1	64.8	30.8	64.2	30.8	64.2
A. Number	20	42	12.8	64.0	12.6	63.0	12.5	62.5
B. Data	8	17	5.1	63.8	5.1	63.8	5.3	66.3
C. Geometry	10	21	6.5	65.0	6.4	64.0	6.5	65.0
D. Algebra	10	21	6.7	67.0	6.7	67.0	6.5	65.0

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
Grade: 4
SAU: MSAD 31
School: Enfield Station Elementary Sch

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	48	5	10	29	60	11	23	3	6	447	47	9	62	23	6	446	13609	13	53	24	10	446
Ethnicity																						
African American/Black	1										1						415	5	41	30	24	439
American Indian or Native Alaskan	1										1						123	12	46	28	13	445
Asian or Pacific Islander	0										0						225	22	45	20	12	448
Hispanic	0										0						147	3	58	30	10	443
Caucasian/White	46	5	11	28	61	11	24	2	4	447	45	9	62	24	4	447	12699	13	54	23	10	447
Not Reported	0										0						0					
Identified disability																						
Yes	5	0	0	1	20	2	40	2	40	434	5	0	20	40	40	434	2227	3	34	33	30	437
No	43	5	12	28	65	9	21	1	2	448	42	10	67	21	2	448	11382	14	57	22	7	448
Current LEP																						
Yes	0										0						370	7	35	31	27	439
No	48	5	10	29	60	11	23	3	6	447	47	9	62	23	6	446	13239	13	54	23	10	447
Economically disadvantaged																						
Yes	30	2	7	21	70	6	20	1	3	447	30	7	70	20	3	447	5704	6	48	30	16	442
No	18	3	17	8	44	5	28	2	11	447	17	12	47	29	12	445	7905	18	57	19	6	450
Migrant																						
Yes	0										0						6	17	33	50	0	448
No	48	5	10	29	60	11	23	3	6	447	47	9	62	23	6	446	13603	13	53	24	10	446
Gender																						
Female	24	1	4	17	71	4	17	2	8	446	24	4	71	17	8	446	6591	12	54	24	11	446
Male	24	4	17	12	50	7	29	1	4	448	23	13	52	30	4	447	7018	13	53	24	10	447
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	18	0	0	8	44	9	50	1	6	441	18	0	44	50	6	441	2131	3	41	38	18	440
No	30	5	17	21	70	2	7	2	7	450	29	14	72	7	7	450	11478	14	56	21	9	448
Gifted/talented program																						
Yes	0										0						324	64	34	2	0	464
No	48	5	10	29	60	11	23	3	6	447	47	9	62	23	6	446	13285	11	54	24	11	446

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 4
SAU: MSAD 31
School: Enfield Station Elementary Sch

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	0										0						4	4	37	30	28	438
B. less than one hour	96	5	11	27	59	11	24	3	7	447	96	9	60	24	7	446	75	13	55	23	9	447
C. one to two hours	4	0	0	2	100	0	0	0	0	453	4	0	100	0	0	453	18	12	54	24	10	446
D. more than two hours	0										0						2	7	39	29	25	440
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	35	3	18	12	71	2	12	0	0	451	34	13	75	13	0	450	37	22	56	16	7	451
B. good	56	2	7	13	48	9	33	3	11	444	57	7	48	33	11	444	45	9	56	25	9	446
C. fair	6	0	0	3	100	0	0	0	0	447	6	0	100	0	0	447	14	3	46	34	17	440
D. poor	2	0	0	1	100	0	0	0	0	452	2	0	100	0	0	452	3	2	33	35	29	436
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	33	2	13	13	81	1	6	0	0	452	32	7	87	7	0	451	35	19	56	19	7	450
B. They match some of what I have learned.	54	3	12	14	54	8	31	1	4	446	55	12	54	31	4	446	51	11	56	25	8	446
C. They match just a little of what I have learned.	8	0	0	1	25	1	25	2	50	435	9	0	25	25	50	435	10	5	43	31	21	440
D. There is no match.	4	0	0	1	50	1	50	0	0	439	4	0	50	50	0	439	4	3	26	33	37	434
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	17	1	13	3	38	3	38	1	13	441	17	13	38	38	13	441	17	5	44	31	20	441
B. about the same as my regular schoolwork	66	3	10	20	65	6	19	2	6	447	67	10	65	19	6	447	62	13	57	23	7	448
C. easier than my regular schoolwork	17	1	13	5	63	2	25	0	0	450	15	0	71	29	0	447	21	18	53	19	10	449
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	8	0	0	2	50	2	50	0	0	444	9	0	50	50	0	444	7	6	36	32	27	438
B. 30–45 minutes	27	3	23	7	54	1	8	2	15	448	26	17	58	8	17	446	25	7	52	28	12	444
C. 45–60 minutes	17	0	0	5	63	2	25	1	13	443	17	0	63	25	13	443	38	14	56	22	8	448
D. more than 60 minutes	48	2	9	15	65	6	26	0	0	448	49	9	65	26	0	448	30	18	56	19	7	449
How often do you use calculators in mathematics class?																						
A. almost every day	4	0	0	1	50	1	50	0	0	438	4	0	50	50	0	438	3	4	36	31	28	438
B. two or three days a week	29	3	21	7	50	3	21	1	7	449	28	15	54	23	8	448	12	13	51	26	10	446
C. two or three times each month	17	0	0	3	38	3	38	2	25	440	17	0	38	38	25	440	32	15	58	20	7	449
D. never or almost never	50	2	8	18	75	4	17	0	0	449	51	8	75	17	0	449	53	11	53	25	11	446
How often do you use hands-on materials in mathematics class?																						
A. almost every day	21	1	10	7	70	2	20	0	0	450	19	0	78	22	0	448	26	12	50	25	13	445
B. two or three days a week	42	4	20	11	55	4	20	1	5	448	43	20	55	20	5	448	32	14	57	21	7	448
C. two or three times each month	17	0	0	5	63	2	25	1	13	442	17	0	63	25	13	442	26	13	56	22	8	448
D. never or almost never	21	0	0	6	60	3	30	1	10	445	21	0	60	30	10	445	17	9	50	27	13	444
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											